

South Gibson County High School
Algebra I
2018 - 2019

Contact Information:

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Room #:120

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Course Description:

Algebra 1 emphasizes linear and quadratic expressions, equations, and functions. This course also introduces students to polynomial, rational, and exponential functions with domains in the integers. Students explore the structures of and interpret functions and other mathematical models. Students build upon previous knowledge of equations and inequalities to reason, solve, and represent equations and inequalities numerically and graphically.

Required Texts and Other Supplies:

Textbook: Algebra 1. Houghton Mifflin Harcourt. Kanold, Burger, Dixon, Larson, and Lienwand.

ISBN: 9780544368170

Supplies

- Paper
- Pencils
- It is suggested that you purchase a scientific calculator (TI-83 Plus, TI-84 Plus, or TI-Inspire). We will have a class set of calculators, but it is beneficial for students to purchase a calculator for at home use because a scientific calculator will be used throughout high school and college.

Assignments and Grading Scale:

Grading Scale:

A: 93-100%

B: 85-92%

C: 75-84%

D: 70-74%

Incomplete: 0-70%

Grading Period Percentage Breakdown

1st Nine Weeks 35%

Midterm 15%

2nd Nine Weeks 35%

Final/TNready 15%

Each Nine Weeks will be made up of assignments that will be weighed as follows:

- 80% - Formal assignments
This will include all tests and projects
- 20% - Informal Assignments
This will include all homework, in-class work, and minor quizzes.

Assignment/Assessments Expectations:

- South Gibson County High School strives to be a training ground for college and career readiness. Therefore, all students are expected to complete all assignments that support the learning of the state standards and complete those assignments to an acceptable level of mastery and in a timely manner.
- In the event that a student does not meet the requirements of an assignment/task, the following consequences will be implemented.
 - **Late: Late:** All missed class work or tests may be make up if the student makes the request immediately upon returning to school and if class time is not taken from other students. Make-up work must be completed within **5 DAYS** of the day missed in order to receive credit.
 - **Unsatisfactory Level of Performance:** On informal assignments, failing grades will stay in the grade book. These are 20% of the grade and will not be made up. Progressive grading applies to all testing. These formal grades will be made up through the cumulative testing. After ample opportunities to make up grades on tests, extra tutoring, and after parent contact and administration approval, formal

grades may remain failing. Project grades will stand as is. There will be benchmark checks throughout each project to ensure students are completing the project correctly.

Make-Up Work:

- All missed class work or tests may be made up if the student makes the request immediately upon returning to school and if class time is not taken from other students. Make-up work must be completed within 5 days of the day missed in order to receive credit. Missing assignments will be indicated by a “0” in PowerSchool until the grade is made up. It will remain a “0” if the work is not made up in the allotted time frame mentioned above.
- You are responsible for your own work. It is your responsibility to get the notes/assignments you missed from someone in your class. We will be doing something content-related every day in this class. After you have asked a classmate for the notes/assignments you have missed, you can then come to me for further clarification and to set up a plan to make up the work.

Assignments/Assessments Expectations:

- South Gibson County High School strives to be a training ground for college and career readiness. Therefore, all students are expected to complete all assignments that support the learning of the state standards and complete those assignments to an acceptable level of mastery and in a timely manner.
- In the event that a student does not meet the requirements of an assignment/task, the following consequences will be implemented within the Mathematics Department in Honors Classes:
 - Late: On unit homework, there will be 5 points deducted for every day late. If the homework is more than a week late, the highest grade one can receive is a 70. For projects, if it is less than a week late, 5 points will be deducted and parents will be contacted. If it is less than 2 weeks late, 10 points will be deducted. After that, the student and teacher will agree to an acceptable solution.
 - Unsatisfactory Level of Performance: On informal assignments, failing grades will stay in the grade book. These are 20% of the grade and will not be made up.

Classroom Expectations

- Be respectful
- Be professional
- Give 100%

This syllabus is subject to change at the discretion of the teacher.

Unit #1: Introduction to Linear + Non-Linear Functions [4 weeks]

Unit #2: Linear Functions [2 week]

Unit #3: Linear Inequalities/Systems of Equations + Inequalities [3 weeks]

Unit #4: Exponential Functions [2 week]

Unit #5: Polynomials/Factoring [4 weeks]

Unit #6: Quadratics [8 weeks]

Other Topics/TN Ready Review [4 week]

Geometry Preview/End of Course Project [2 weeks]

*Note: Time periods are approximate and are subject to change at the discretion of the teacher.

Upon request, parents/guardians shall have the ability to inspect the following items: instructional materials; teaching materials; teaching aids; handouts; and tests that are developed by and graded by their child's teacher. Parents wishing to inspect such materials should contact the building level principal in writing.